PATENT ATTY. DOCKET NO. 46417.001024 CLIENT REF: D-GIL-0214

### APPENDIX A

U.S. Application No: 10/814,649
Filed: April 1, 2004
Art Unit 3662; Confirmation No. 5903
Inventor: Michael Coluzzi.
Sheet 1 of 25
Docket: 46417.001024; Customer No. 21967

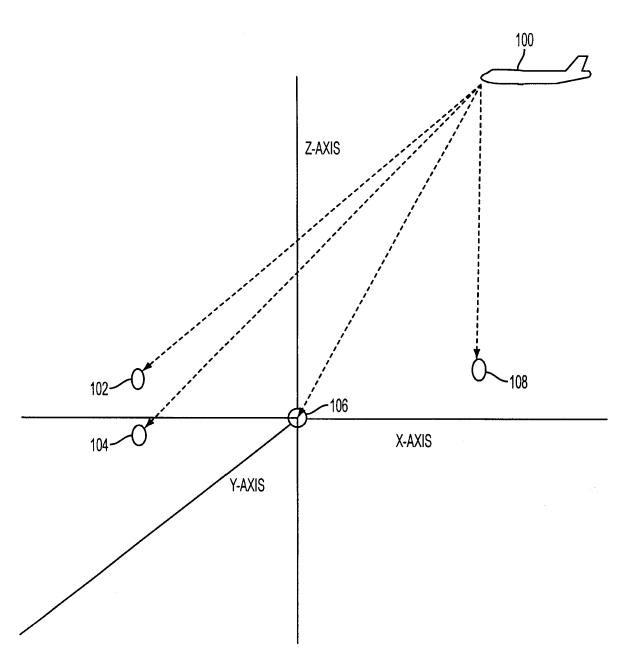
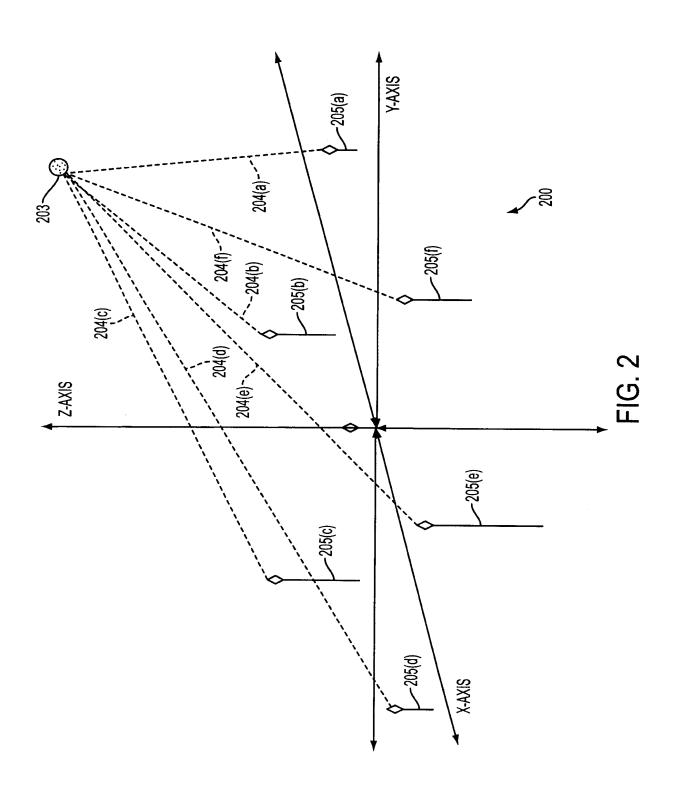


FIG. 1

REPLACEMENT SHEET

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REPLACEMENT SHEET

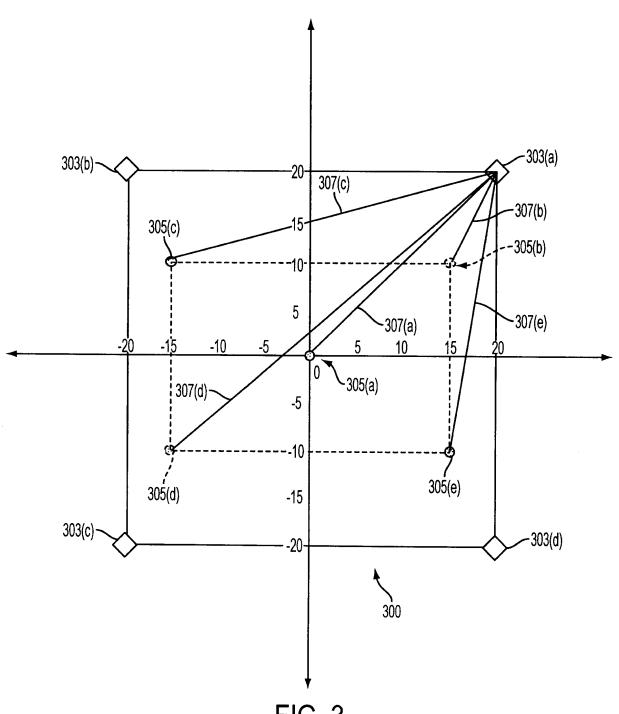
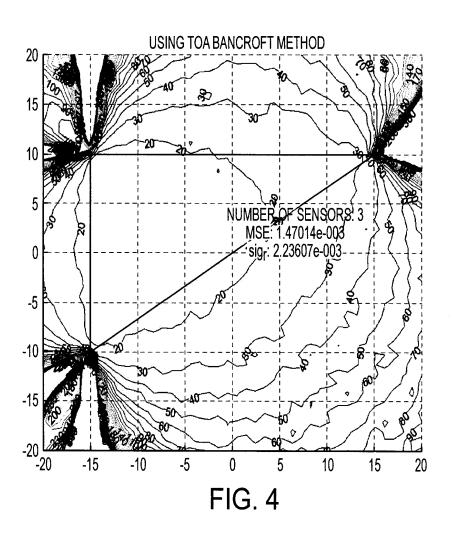


FIG. 3

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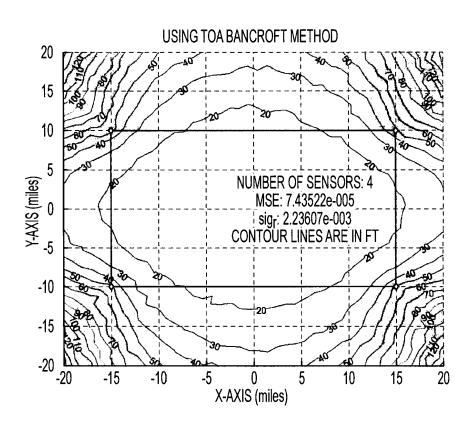


FIG. 5

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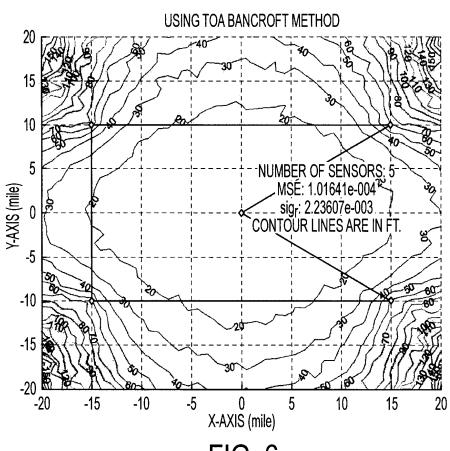
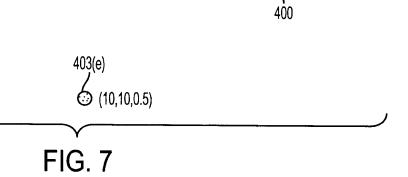


FIG. 6

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REPLACEMENT SHEET Docket: 46417.001024; Customer No. 21967 403(a) (-3,-9,1.5) **Z-AXIS** Y-AXIS X-AXIS (-8,11,1) 403(b) (8,-8,2) 403(f) 403(c) (5,0,0) Y-AXIS Y-AXIS

> 403(d) (11,2,2.5)



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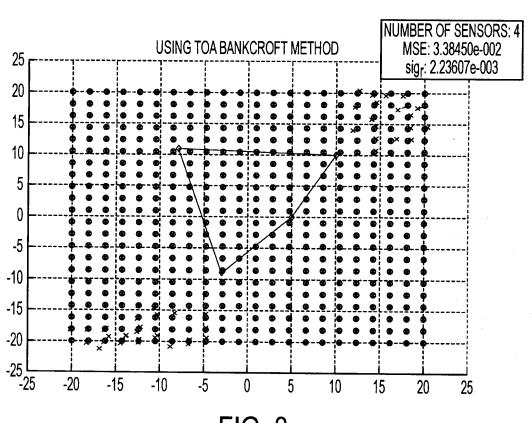


FIG. 8

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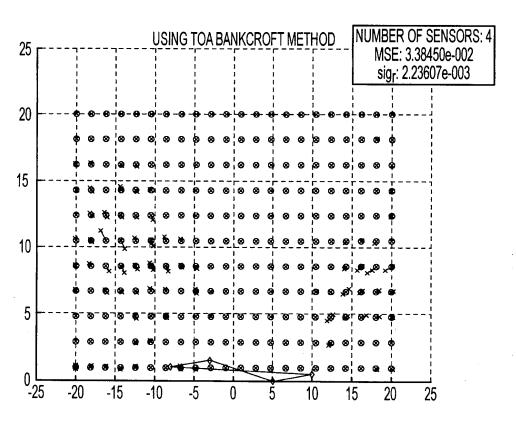
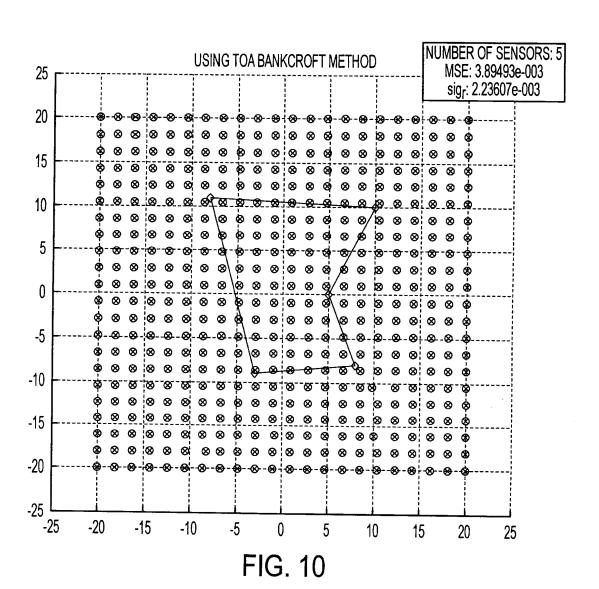


FIG. 9

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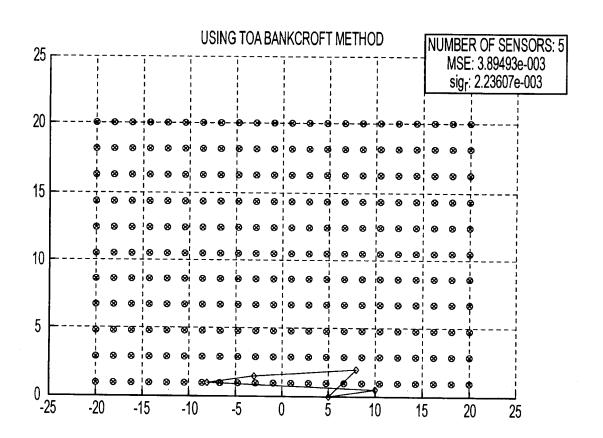
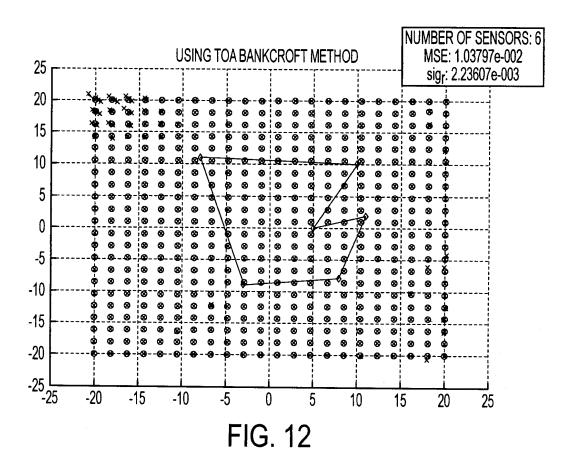


FIG. 11

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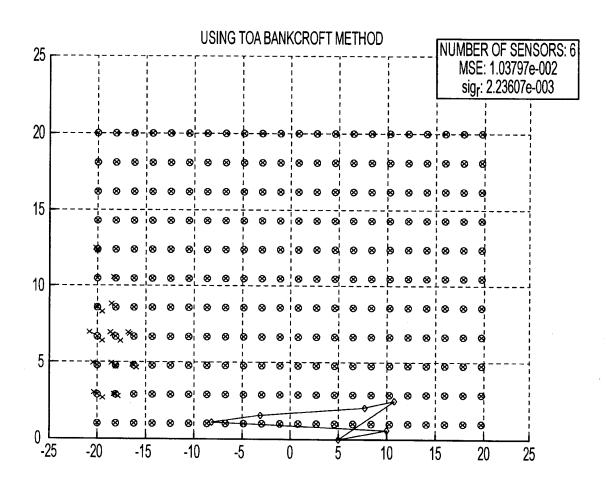
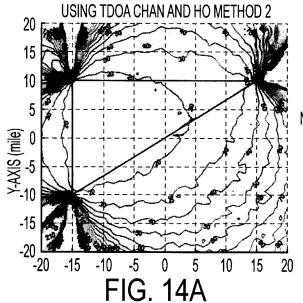


FIG. 13

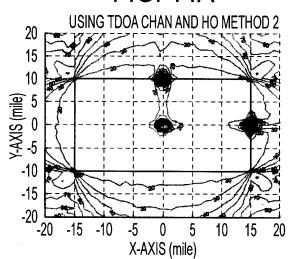
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### REPLACEMENT SHEET



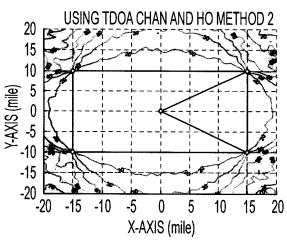
NUMBER OF SENSORS: 3 MSE: 1.47014e-003 sigr: 2.23607e-003



NUMBER OF SENSORS: 4 MSE: 6.20043e-005 sig<sub>r</sub>: 2.23607e-003

CONTOUR LINES IN FT.

# X-AXIS (mile) FIG. 14B



NUMBER OF SENSORS: 5 MSE: 3.43828e-005 sig<sub>T</sub>: 2.23607e-003 CONTOUR LINES IN FT.

FIG. 14C

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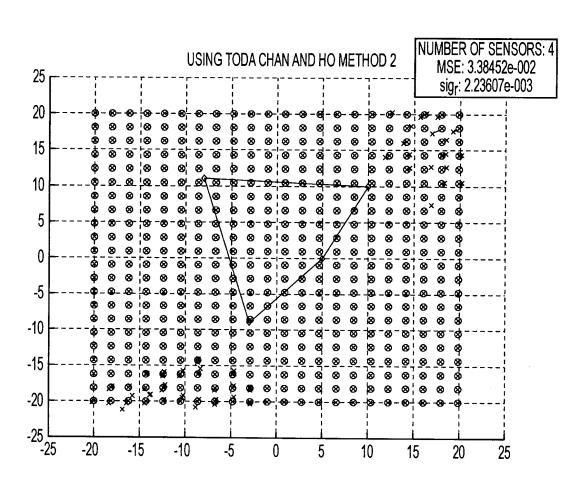


FIG. 15

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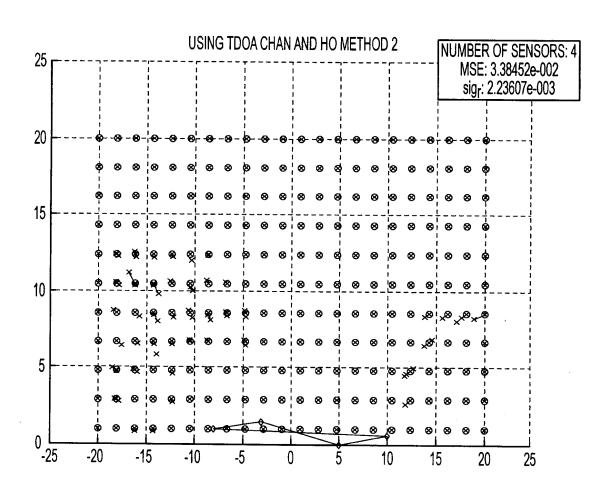


FIG. 16

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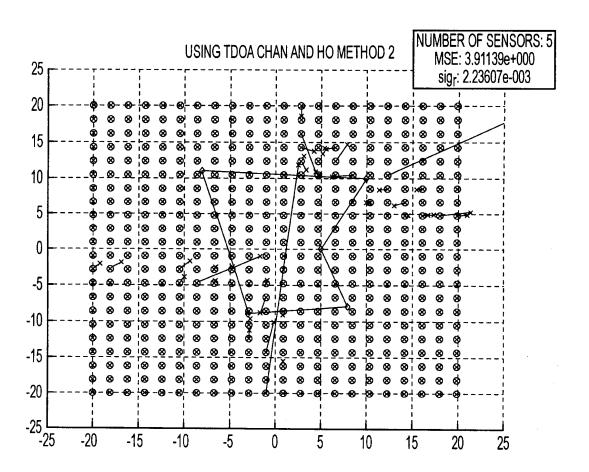


FIG. 17

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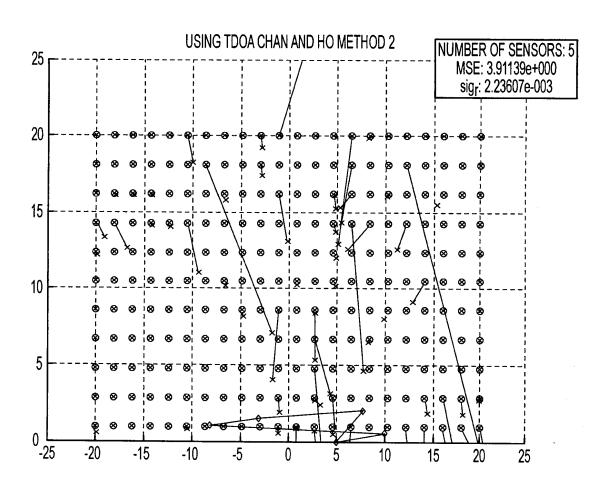


FIG. 18

REPLACEMENT SHEET

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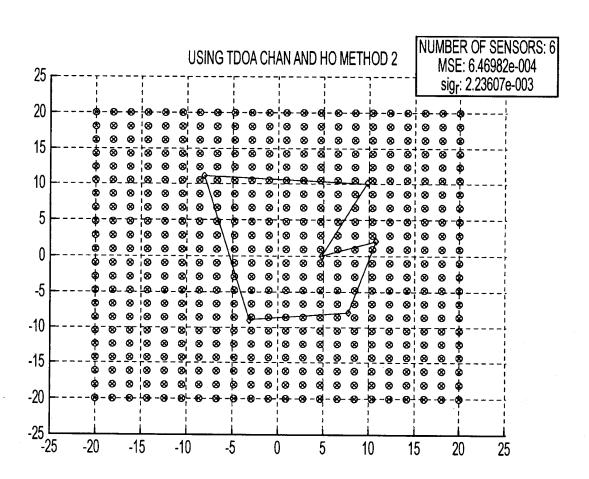


FIG. 19

REPLACEMENT SHEET

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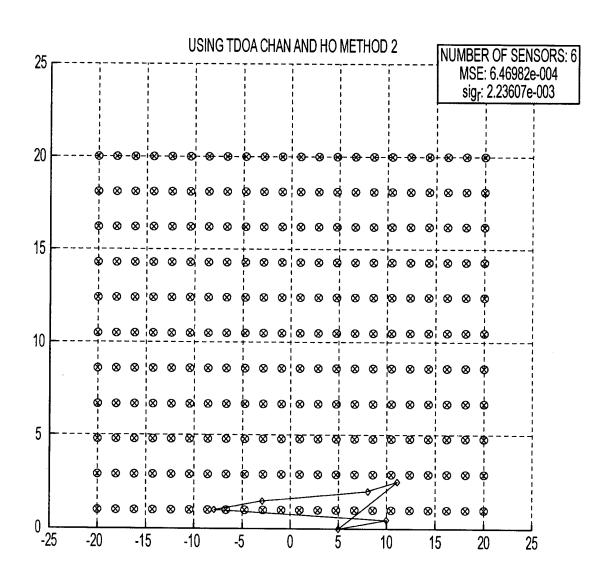


FIG. 20

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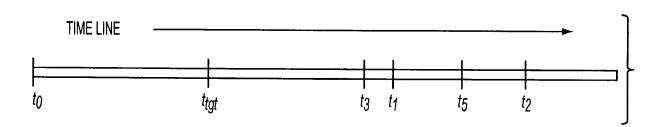


FIG. 21

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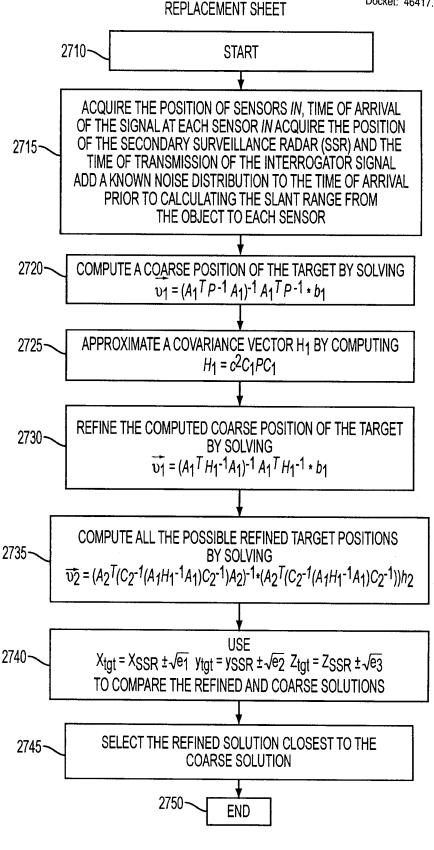


FIG. 22

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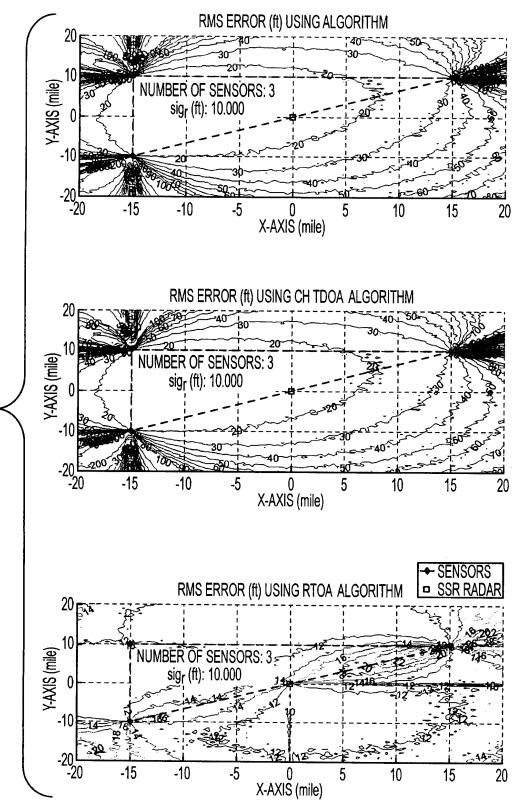


FIG. 23

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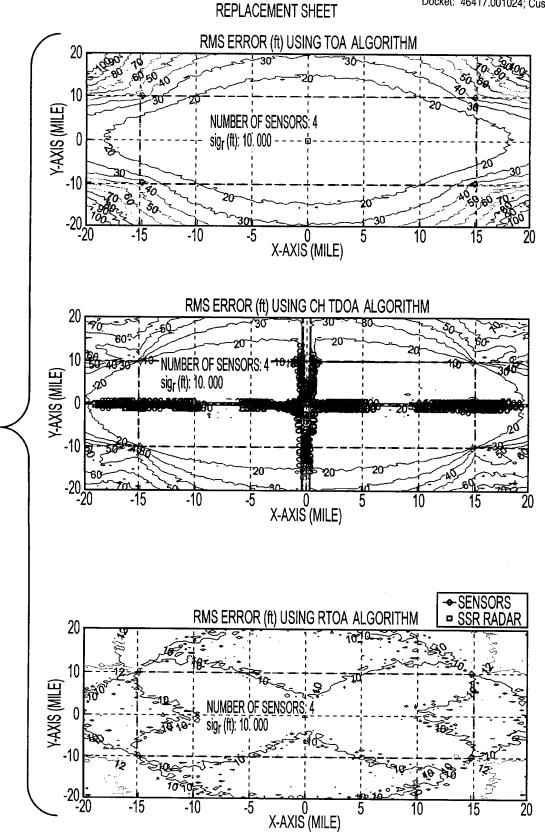


FIG. 24

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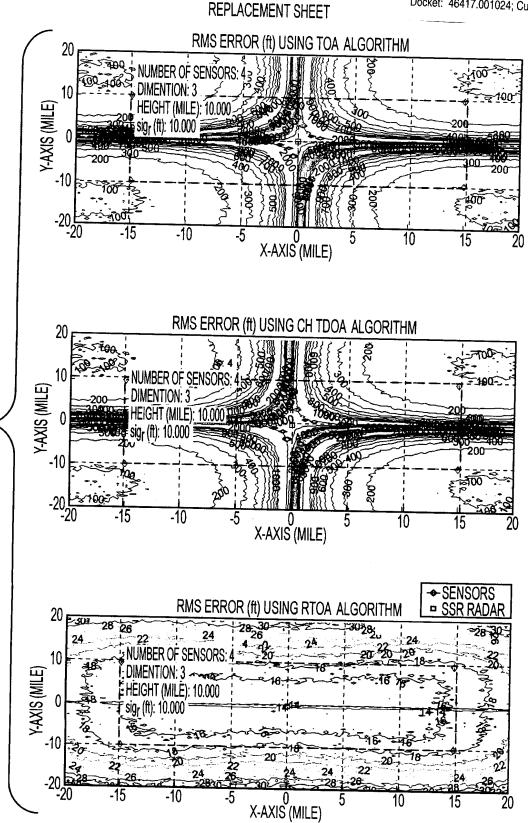


FIG. 25